

Electronic Acknowledgement Receipt

EFS ID:	2648431
Application Number:	10812062
International Application Number:	
Confirmation Number:	1313
Title of Invention:	Target bitrate estimator, picture activity and buffer management in rate control for video coder
First Named Inventor/Applicant Name:	Barin Geoffry Haskell
Customer Number:	23838
Filer:	Wesley W. Jones/jin li
Filer Authorized By:	Wesley W. Jones
Attorney Docket Number:	13316-3293
Receipt Date:	28-DEC-2007
Filing Date:	30-MAR-2004
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Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	1338
Deposit Account	110600
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	3293Statement.pdf	74562	no	3
			09b2f5830be1644320df7bbc2c2f66319fbc7778		
Warnings:					
Information:					
2	Information Disclosure Statement Letter	3293Ref.pdf	104587	no	2
			c74950a77779b5fb530bbc24437327ebe8cde1af		
Warnings:					
Information:					
3	NPL Documents	34Low-delay-rate.pdf	3437678	no	13
			26ff9488d34cdb2a2d2be1c0f227be7871b7b7b6		
Warnings:					
Information:					
4	NPL Documents	35Optimum-bit-allocation.pdf	2601578	no	10
			cf4529482b7366cc709e93c2ee5f4495f1d550b6		
Warnings:					
Information:					
5	NPL Documents	36A-unified-rate-distortion.pdf	4242047	no	16
			4e4a8bc203eb63874963cf932ec28ee33a12c5cf		
Warnings:					
Information:					
6	NPL Documents	78Joint-encoder-and.pdf	3456721	no	14
			71447369912bf8d10cd110f10e93830b79ba51fc		
Warnings:					
Information:					
7	NPL Documents	81Rate-control-of.pdf	2385854	no	10
			1315d79183c01f55fd3b0968bd14eeb49f2809b6		
Warnings:					
Information:					
8	NPL Documents	82Encoding-stored-video.pdf	3104013	no	12
			2aab13ca4a9d8ba824aeb7a02a60cbb8f1a86a9a		
Warnings:					
Information:					

9	NPL Documents	83A-frame-layer.pdf	1424317	no	6
			43461402723c385e16b29d90350acb1ab9a25b2a		
Warnings:					
Information:					
10	NPL Documents	84Rate-control-for-VBR.pdf	3991576	no	15
			0ee4105ecf357e16e78f93bacab63c89505eb3b6		
Warnings:					
Information:					
11	NPL Documents	85A-rate-control-for.pdf	3774387	no	13
			9d18356a8c48b97fdd77d52ab0c5228993e1c8dd		
Warnings:					
Information:					
12	NPL Documents	86Encoding-stored-video.pdf	4180225	no	12
			9a70e4d08eb583306a81f3c476acfd6e5dc200e1		
Warnings:					
Information:					
13	NPL Documents	87Joint-rate-control.pdf	1320620	no	6
			5bfcb36bce5a0304db0fc819e0bbb4865627848		
Warnings:					
Information:					
14	NPL Documents	88Rate-control-in.pdf	4071718	no	15
			8bebe2d0a4159f4ce1ed561f87de376a53e925fa		
Warnings:					
Information:					
15	NPL Documents	89Rate-control-for-an-embed ded.pdf	1981614	no	8
			789734c2ab33fa861254b5674d70119154ce2707		
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16	NPL Documents	90An-active-scene.pdf	2543359	no	13
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Information:					
17	NPL Documents	91MPEG-4-one-pass.pdf	1516989	no	6
			7d40b050b1b6ca886741044847d545065b9ad8c1		
Warnings:					
Information:					

18	NPL Documents	92MPEG-4-rate.pdf	4139756	no	15
			11c5d51fe8389369bf728a1b28413fa374ca05b2		
Warnings:					
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19	NPL Documents	93Rate-controland.pdf	4902662	no	17
			60b5da6189684f7776f0ab6041804092d211e987f		
Warnings:					
Information:					
20	NPL Documents	94Scalable-rate-control.pdf	4100217	no	18
			f0d28b82e237935f470b255e37420a71279ee375		
Warnings:					
Information:					
21	NPL Documents	95A-study-of.pdf	1836863	no	8
			f85ea4365e8c67620d733429f8b30c0e58e9794e		
Warnings:					
Information:					
22	NPL Documents	96Bit-allocation-for.pdf	4097869	no	16
			75c5a3df1da1657615cf3588465482777762803c		
Warnings:					
Information:					
23	Fee Worksheet (PTO-06)	fee-info.pdf	8223	no	2
			16f3a7048e6c6286716f09f1123daf6a81a9d59a		
Warnings:					
Information:					
Total Files Size (in bytes):			63297435		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.